

Overhauling a Crosman 160 Part 1

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I briefly mentioned [this Crosman 160](#) last year, and even made a [bulk-fill cap](#) for it, but the other day, it started leaking from the valve stem.



Fair enough--it's at least 40 years old. Time for a full tear down and rebuild.



Just a few pics.





Started by removing the two screws holding the aperture sight.



Next, the safety has to be removed.



Rotated it until it pointed down. Or in this picture, up.



Then pushed it out from the opposite side.



Almost there...



Like so.



Used a 7/16" nutdriver to remove the stock fixing nut.



And the action pulls out of the stock.



Removed the two screws holding the trigger assembly to the gas tube.



And the end caps come right off.



Used a 3/32" allen wrench to loosen the setscrew that retains the bolt.



Same size wrench removed the setscrew holding the barrel.



With a small flat blade, the barrel band was loosened and slid forward.



Forgot to remove the front sight first.



Slid the barrel band off the barrel.



This is the "locator stud". I kinda hate this part. The stock retaining nut is ugly and sits right where I want to rest my offhand. I've shortened a couple on [similar guns](#) and made recessed fittings that sit flush with the underside of the gun stock. I'm leaving this gun as is. Keeping a vintage gun vintage for a change.



Had to first break it loose (with padded jaws in the bench vise) before I could remove it. The threading is slightly damaged at the stock nut end from a prior owner. I'll probably just make a new one.



The valve face needs to be loosened up in the gas tube next.



I have a piece of steel strip given to me by nefarious airgunner Volvo a couple years ago. He had just sold off his QB 78 and passed on to me his single most beloved of airgun tools. A silver Sharpie commemorated it's lineage.



Just used it to unscrew the front of the valve a couple turns.



Took out the valve securement screw. (if you take this out before breaking the front of the valve loose, the valve may just spin in the gas tube)



Hmmm. The barrel is stuck.



Nope. Didn't miss any fasteners. Looked at a schematic one more time.



Clamped the barrel in the vise (rubber covered jaws) and gave it some sheer brute force.



And the barrel pulled straight out.



Revealing the hidden forward breech screw.



Out.



And the breech pulls off.



Slid the bolt out of the breech.



It's much more substantial than the bolt on a modern day Crosman.



The hammer assembly is still in the gas tube.



Removed the pin and took out the spring guide and hammer spring.



Cocking pin and hammer came out.



This is their orientation inside the gas tube. A pic for my reference.

More soon.